

# WEST Search History for Application 10814917

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Query	DB	Op.	Plur.	Thes.	Date
(and (doped or dopant or doping) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor) and (conductive or thiophene or aniline or pyrrole or pyroreor polythiophene or poly(thiophene) or polyaniline or polypyrrole).ab. and (aqueous or dispersion) and and (doped or dopant or doping) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor) and (conductive or thiophene or aniline or pyrrole or pyroreor polythiophene or poly(thiophene) or polyaniline or polypyrrole).ab. and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor).clm. ) and (colloid or colloidal)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
aniline or polyaniline or poly(aniline) and Nafion	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
(aniline or polyaniline or poly(aniline) and Nafion ) and (aniline or polyaniline or poly(aniline))	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
		ADJ	YES		03-13-2008

(aniline or polyaniline or poly(aniline) and Nafion ) and (aniline or polyaniline or poly(aniline)).ab.	PGPB, USPT, USOC, EPAB, JPAB, DWPL, TDBD				
(aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. ) and (doping or dopant or doped)	PGPB, USPT, USOC, EPAB, JPAB, DWPL, TDBD	ADJ	YES		03-13-2008
(aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) ) and (polyaniline or poly(aniline)).ab.	PGPB, USPT, USOC, EPAB, JPAB, DWPL, TDBD	ADJ	YES		03-13-2008
(aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) and (polyaniline or poly(aniline)).ab. ) and (doping or dopant or doped).clm.	PGPB, USPT, USOC, EPAB, JPAB, DWPL, TDBD	ADJ	YES		03-13-2008
(aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) and (polyaniline or poly(aniline)).ab. and (doping or dopant or doped).clm. ) and aqueous	PGPB, USPT, USOC, EPAB, JPAB, DWPL, TDBD	ADJ	YES		03-13-2008
(aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) and (polyaniline or poly(aniline)).ab. and (doping or dopant or doped).clm. ) and (water-borne or waterborne)	PGPB, USPT, USOC, EPAB, JPAB, DWPL, TDBD	ADJ	YES		03-13-2008
(aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) and (polyaniline or poly(aniline)).ab. and (doping or dopant or doped).clm. and aqueous ) or (aniline	PGPB, USPT, USOC, EPAB,	ADJ	YES		03-13-2008

or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) and (polyaniline or poly(aniline)).ab. and (doping or dopant or doped).clm. and (water-borne or waterborne) )	JPAB, DWPI, TDBD				
(aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) and (polyaniline or poly(aniline)).ab. and (doping or dopant or doped).clm. and aqueous or aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) and (polyaniline or poly(aniline)).ab. and (doping or dopant or doped).clm. and (water-borne or waterborne) ) and (dispersed or dispersion)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
(aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) and (polyaniline or poly(aniline)).ab. and (doping or dopant or doped).clm. and aqueous or aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) and (polyaniline or poly(aniline)).ab. and (doping or dopant or doped).clm. and (water-borne or waterborne) and (dispersed or dispersion) ) and (colloid or colloidal)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
us-5849415-\$.did.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
(us-5849415-\$.did. ) and nafion	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
(aniline or polyaniline or poly(aniline) and Nafion ) and nafion	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
(aniline or polyaniline or poly(aniline)) and Nafion	PGPB, USPT, USOC,	ADJ	YES		03-13-2008

	EPAB, JPAB, DWPI, TDBD				
((aniline or polyaniline or poly(aniline)) and Nafion ) and (aniline or polyaniline or poly(aniline)).ab.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
((aniline or polyaniline or poly(aniline)) and Nafion and (aniline or polyaniline or poly(aniline)).ab. ) and (doping or dopant or doped)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
((aniline or polyaniline or poly(aniline)) and Nafion and (aniline or polyaniline or poly(aniline)).ab. and (doping or dopant or doped) ) and (water-borne or waterborne or aqueous)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ	YES		03-13-2008
5300575	USPT	ADJ			03-13-2008
us-5300575-\$.did.	USPT	ADJ			03-13-2008
polyaniline or aniline or polypyrrole or pyrrole or polythiophene or polydioxithiophene or dioxithiophene or poly(3,4-ethylenedioxithiophene)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
polyaniline or aniline or polypyrrole or pyrrole or polythiophene or polydioxithiophene or dioxithiophene or poly(3,4-ethylenedioxithiophene)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(polyaniline or aniline or polypyrrole or pyrrole or polythiophene or polydioxithiophene or dioxithiophene or poly(3,4-ethylenedioxithiophene) ) and (dopant or doped or doping or acid or monoacid or trifluoromethane or acetate	PGPB, USPT, USOC, EPAB,	ADJ			03-13-2008

or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or acid anion or acetic or p-toluenesulfonic or camphosulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or sulfonic)	JPAB, DWPI, TDBD				
(polyaniline or aniline or polypyrrole or pyrrole or polythiophene or polydioxithiophene or dioxithiophene or poly(3,4-ethylenedioxythiophene) and (dopant or doped or doping or acid or monoacid or trifluoromethane or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or acid anion or acetic or p-toluenesulfonic or camphosulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or sulfonic) ) and (polymeric acid or polyacid or perfluoroethylenesulfonic acid or polycarboxylic or polyacid or Nafion)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(polyaniline or aniline or polypyrrole or pyrrole or polythiophene or polydioxithiophene or dioxithiophene or poly(3,4-ethylenedioxythiophene) and (dopant or doped or doping or acid or monoacid or trifluoromethane or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or acid anion or acetic or p-toluenesulfonic or camphosulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or sulfonic) and (polymeric acid or polyacid or perfluoroethylenesulfonic acid or polycarboxylic or polyacid or Nafion) ) and (aniline or polyaniline or poly(aniline) and Nafion and (aniline or polyaniline or poly(aniline)).ab, and (doping or dopant or doped) ) .ab,	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
us-5002700-\$.did.	USPT	ADJ			03-13-2008
5002700	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(5002700 ) and (aqueous or dispersion)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(5002700 and (aqueous or dispersion) ) and (doped or	PGPB,	ADJ			03-13-2008

dopant or doping)	USPT, USOC, EPAB, JPAB, DWPI, TDBD				
(5002700 and (aqueous or dispersion) and (doped or dopant or doping) ) and NAFION	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(5002700 ) and NAFION	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(us-5002700-\$.did. ) and (aqueous or dispersion)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
7071289	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(7071289 ) and nafion	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
nafion	PGPB, USPT, USOC, EPAB, JPAB,	ADJ			03-13-2008

	DWPI, TDBD				
(nafion ) and (conductive or thiophene or aniline or pyrrole or pyroloor polythiophene or poly(thiophene) or polyaniline or polypyrrole)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(nafion and (conductive or thiophene or aniline or pyrrole or pyroloor polythiophene or poly(thiophene) or polyaniline or polypyrrole) ) and (doped or dopant or doping)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(nafion and (conductive or thiophene or aniline or pyrrole or pyroloor polythiophene or poly(thiophene) or polyaniline or polypyrrole) and (doped or dopant or doping) ) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzensulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(nafion and (conductive or thiophene or aniline or pyrrole or pyroloor polythiophene or poly(thiophene) or polyaniline or polypyrrole) and (doped or dopant or doping) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzensulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor) ) and (conductive or thiophene or aniline or pyrrole or pyroloor polythiophene or poly(thiophene) or polyaniline or polypyrrole).ab.	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(nafion and (conductive or thiophene or aniline or pyrrole or pyroloor polythiophene or poly(thiophene) or polyaniline or polypyrrole) and (doped or dopant or doping) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzensulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008

camphor) and (conductive or thiophene or aniline or pyrrole or pyrolo or polythiophene or poly(thiophene) or polyaniline or polypyrrole).ab. ) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor).clm.					
(nafion and (conductive or thiophene or aniline or pyrrole or pyrolo or polythiophene or poly(thiophene) or polyaniline or polypyrrole) and (doped or dopant or doping) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor) and (conductive or thiophene or aniline or pyrrole or pyrolo or polythiophene or poly(thiophene) or polyaniline or polypyrrole).ab. ) and (aqueous or dispersion)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008
(nafion and (conductive or thiophene or aniline or pyrrole or pyrolo or polythiophene or poly(thiophene) or polyaniline or polypyrrole) and (doped or dopant or doping) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor) and (conductive or thiophene or aniline or pyrrole or pyrolo or polythiophene or poly(thiophene) or polyaniline or polypyrrole).ab. and (aqueous or dispersion) ) and (nafion and (conductive or thiophene or aniline or pyrrole or pyrolo or polythiophene or poly(thiophene) or polyaniline or polypyrrole) and (doped or dopant or doping) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor) and (conductive or thiophene or aniline or pyrrole or pyrolo or polythiophene or poly(thiophene) or polyaniline or polypyrrole).ab. and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzenesulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008



p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor).clm. )					
(nafion and (conductive or thiophene or aniline or pyrrole or pyroleor polythiophene or poly(thiophene) or polyaniline or polypyrrole) and (doped or dopant or doping) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzensulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor) and (conductive or thiophene or aniline or pyrrole or pyroleor polythiophene or poly(thiophene) or polyaniline or polypyrrole).ab. and (aqueous or dispersion) and nafion and (conductive or thiophene or aniline or pyrrole or pyroleor polythiophene or poly(thiophene) or polyaniline or polypyrrole) and (doped or dopant or doping) and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzensulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor) and (conductive or thiophene or aniline or pyrrole or pyroleor polythiophene or poly(thiophene) or polyaniline or polypyrrole).ab. and (anion or acetate or p-toluenesulfonate or camphorsulfonate or p-dodecylbenzensulfonate or methanesulfonate or trifluoromethanesulfonate or acid or acetic or p-toluenesulfonic or camphorsulfonic or p-dodecylbenzenesulfonic or methanesulfonic or trifluoromethanesulfonic or toluene sulfonic or sulfonic or camphor).clm. ) and (colloid or colloidal)	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD	ADJ			03-13-2008